

## ABSTRACT

A sawdust-free wood cutting apparatus (10) comprises a guide (62, 72) for guiding a piece of wood (W) along a feed path having a cutting zone. At least one circular blade (18b) is mounted in the cutting zone and driven in rotation about an axis transversal to the feed path. The circular blade (18b) has a toothless circumferential cutting edge. A feeder (14, 16) advances the piece of wood (W) to be cut through the cutting zone at a linear speed substantially equal to a tangential speed at the toothless circumferential cutting edge of the circular blade (18b).